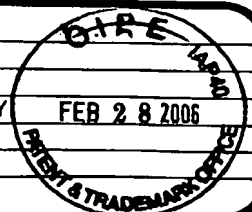


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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: FEB 28 2006 (use as many sheets as necessary)				Complete if Known													
Sheet		1	of	3	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/529,010</td> </tr> <tr> <td>Filing Date</td> <td>3/24/2005</td> </tr> <tr> <td>First Named Inventor</td> <td>Chris Robert LIVELY</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>036481-0164</td> </tr> </table>	Application Number	10/529,010	Filing Date	3/24/2005	First Named Inventor	Chris Robert LIVELY	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	036481-0164
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ZUK	B1	5,120,657	A	McCABE et al.	06/09/1992	
↓	B2	5,149,655	A	McCABE et al.	09/22/1992	
↓	B3	5,183,658	A	LEE et al.	02/02/1993	
↓	B4	5,630,796	A	BELLHOUSE et al.	05/20/1997	
↓	B5	5,865,796	A	McCABE, Dennis E.	02/02/1999	
↓	B6	5,945,400	A	SCHERMAN et al.	08/31/1999	
↓	B7	6,264,990	B1	KNEPP et al.	07/24/2001	
ZUK	B8	6,200,956	B1	SCHERMAN et al.	03/13/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
ZUK	B9	WO	94/24263	A1	Oxford Biosciences Ltd	10/27/1994		
↓	B10	WO	96/04947	A1	Oxford Biosciences Ltd	02/22/1996		
↓	B11	WO	96/12513	A1	Oxford Biosciences Ltd	05/02/1996		
↓	B12	WO	96/20022	A1	Oxford Biosciences Ltd	07/04/1996		
↓	B13	WO	96/25508	A1	Rhône-Poulenc Rorer S.A.	08/22/1996		A
↓	B14	WO	97/40839	A1	Merck & Co., Inc.	11/06/1997		
ZUK	B15	WO	00/02591	A1	Merck & Co., Inc.	01/20/2000		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: FEB 28 2006 (use as many sheets as necessary)				Application Number	10/529,010
				Filing Date	3/24/2005
				First Named Inventor	Chris Robert LIVELY
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	036481-0164
Sheet	2	of	3		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		
<i>RMK</i>	B16	ADAMI et al., "Stability of Peptide-Condensed Plasmid DNA Formulations," Research Articles, Vol. 87, No. 6, June 1998, pp. 676-683.		
	B17	ALMIRON et al., "A novel DNA-binding protein with regulatory and protective roles in starved <i>Escherichia coli</i> ," Genes & Development, Vol. 6, 1992, pp. 2646-2654.		
	B18	AMAO et al., "The hydrophobic and electrostatic effect of basic polyamino acid-DNA polyion complex on artificial bilayer lipid membrane," Nucleic Acids Symposium Series No. 29, 1993, pp. 149-151.		
	B19	ANDREASSON et al., "Interactions of Spermidine and Methylspermidine with DNA Studied by Nuclear Magnetic Resonance Self-Diffusion Measurements," Biophysical Journal, Vol. 70, June 1996, pp. 2847-2856.		
	B20	AZAM et al., "Twelve Species of the Nucleoid-associated Protein from <i>Escherichia coli</i> ," The Journal of Biological Chemistry, Vol. 274, Vol. 46, November 12, 1999, pp. 33105-33113.		
	B21	BAEZA et al., "Possible prebiotic significance of polyamines in the condensation, protection, encapsulation, and biological properties of DNA," Origins of Life and Evolution of the Biosphere, Vol. 21, 1992, pp. 225-242.		
	B22	BLOOMFIELD, Victor A., "Condensation of DNA by Multivalent Cations: Considerations on Mechanism," Biopolymers, Vol. 31, 1991, pp. 1471-1481.		
	B23	CHO et al., "Activation of human neutrophils by a synthetic anti-microbial peptide, KLKLLLLLKLK-NH ₂ , via cell surface calreticulin," Eur. J. Biochem., Vol. 266, 1999, pp. 878-885.		
	B24	DELONG et al., "Novel cationic amphiphiles as delivery agents for antisense oligonucleotides," Nucleic Acids Research, Vol. 27, No. 16, 1999, pp. 3334-3341.		
	B25	DENG et al., "Structural Effects of cobalt-Amine Compounds on DNA Condensation," Biophysical Journal, Vol. 77, September 1999, pp. 1556-1561.		
	B26	EMI et al., "Gene Transfer Mediated by Polyarginine Requires a Formation of Big Carrier-Complex of DNA Aggregate," Biochemical and Biophysical Research Communications, Vol. 231, 1997, pp. 421-424.		
	B27	FANG et al., "Ethanol-induced structural transitions of DNA on mica," Nucleic Acids Research, Vol. 27, No. 8, pp. 1943-1949.		
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<i>RMK</i>	B29	GOSULE et al., "DNA Condensation with Polyamines. I. Spectroscopic Studies," J. Mol. Biol., Vol. 121, 1978, pp. 311-320.		

Examiner Signature	<i>Robert A. Kik</i>	Date Considered	8/20/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/529,010
				Filing Date	3/24/2005
Date Submitted: FEB 28 2006				First Named Inventor	Chris Robert LIVELY
				Group Art Unit	Unassigned
(use as many sheets as necessary)				Examiner Name	Unassigned
				Attorney Docket Number	036481-0164
Sheet	3	of	3		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
RUK	B30	JUNGHANS et al., "Phosphodiester and phosphorothioate oligonucleotide condensation and preparation of antisense nanoparticles," Biochimica et Biophysica Acta, Vol. 1544, 2001, pp. 177-188.		
	B31	LIQUIER et al., "Infrared Linear Dichroism Investigations of Deoxyribonucleic Acid Complexes with Poly(L-arginine) and Poly(L-lysine)," Biochemistry, Vol. 14, No. 19, 1975, pp. 4191-4197.		
	B32	MARTINEZ et al., "Protection of DNA during Oxidative Stress by the Nonspecific DNA-Binding Protein Dps," Journal of Bacteriology, August 1997, pp. 5188-5194.		
	B33	McKENZIE et al., "Comparative gene transfer efficiency of low molecular weight polylysine DNA-condensing peptides," J. Peptide Res., Vol. 54, 1999, pp. 311-318.		
	B34	MURPHY et al., "A combinatorial approach to the discovery of efficient cationic peptoid reagents for gene delivery," Proc. Natl. Acad. Sci. USA, Vol. 95, February 1998, pp. 1517-1522.		
	B35	PARK et al., "Topological Defects and the Optimum Size of DNA Condensates," Biophysical Journal, Vol. 75, August 1998, pp. 714-720.		
	B36	PHILLIPS, Stephen C., "Receptor-mediated DNA Delivery Approaches to Human Gene Therapy," Biologicals, Vol. 23, 1995, pp. 13-16.		
	B37	POUTON et al., "Polycation-DNA complexes for gene delivery: a comparison of the biopharmaceutical properties of cationic polypeptides and cationic lipids," Journal of Controlled Release, Vol. 53, 1998, pp. 289-299.		
	B38	RAMSAY et al., "Examination of the biophysical interaction between plasmid DNA and the polycations, polylysine and polyornithine, as a basis for their differential gene transfection in-vitro," International Journal of Pharmaceutics, Vol. 210, 2000, pp. 97-107.		
	B39	SCHMIDT et al., "Cell-free tumor antigen peptide-based cancer vaccines," Proc. Natl. Acad. Sci. USA, Vol. 94, April 1997, pp. 3262-3267.		
RUK	B40	WOLF et al., "DNA protection by stress-induces biocrystallization," Letters to Nature, Vol. 400, July 1, 1999, pp. 83-85.		
	B41	YANG et al., "In vivo and in vitro gene transfer to mammalian somatic cells by particle bombardment," Proc. Natl. Acad. Sci. USA, Vol. 87, December 1990, pp. 9568-9572.		
	B42	ZAMA et al., "Different effects of polylysine and polyarginine on the transition to a condensed state of DNA in polyethyleneglycol/salt solution," Biochimica et Biophysica Acta, Vol. 414, 1976, pp. 256-262.		

Examiner Signature		Date Considered	8/20/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Int. Application Number	PCT/GB03/04202
(use as many sheets as necessary)				Int. Appl. Filing Date	09/29/2003
				First Named Inventor	Chris Robert LIVELY
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	036481-0164

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		Number	Kind Code ² (if known)			
RLK	A1	4,945,050	A	John C. SANFORD et al.	07-31-1990	
	A2	5,204,253	A	Ronald BRUNER et al.	04-20-1993	
	A3	5,630,796	A	Brian J. BELLHOUSE et al.	05-20-1997	
RLK	A4	6,288,312	B1	Paul CHRISTOU et al.	09-11-2001	

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RLK	A5	WO	00/26385	A	POWDERJECT VACCINES INC.	05-11-2000	
RLK	A6	WO	01/83528	A	POWDERJECT RES LTD et al.	11-08-2001	

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RLK	A7	FYNAN et al., "DNA Vaccines: Protective Immunizations by Parenteral, Mucosal and Gene-Gun Inoculations," <u>Proceedings of the National Academy of Sciences of USA</u> , 15 December 1993, pp. 11478-11482, vol. 90, No. 24, National Academy of Science, Washington, USA	

Examiner Signature	Robert J. Kelly	Date Considered	8/20/07
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